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PTO/SB/01 (10-00)  
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|   |   |            |
|---|---|------------|
| <b>DECLARATION FOR UTILITY OR<br/>DESIGN<br/>PATENT APPLICATION<br/>(37 CFR 1.63)</b><br><br><input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) | <b>Attorney Docket Number</b> MEUSHAW 1-1-1   |            |
|   | <b>First Named Inventor</b> ROBERT V. MEUSHAW |            |
|   | <b>COMPLETE IF KNOWN</b>                      |            |
|   | <b>Application Number</b>                     | /          |
|   | <b>Filing Date</b>                            | 05-11-2001 |
|   | <b>Group Art Unit</b>                         |            |
|   | <b>Examiner Name</b>                          |            |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DEVICE FOR AND METHOD OF SECURE COMPUTING USING VIRTUAL MACHINES

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached?     |                             |
|-------------------------------------|---------|----------------------------------|--------------------------|------------------------------|-----------------------------|
|                                     |         |                                  | <input type="checkbox"/> | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/>     | <input type="checkbox"/>    |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/>     | <input type="checkbox"/>    |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/>     | <input type="checkbox"/>    |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |
|-----------------------|--------------------------|--|
|                       |                          |  |

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label  OR ☒ Correspondence address below

Name **ATTN: PATENT COUNSEL, OGC**

Address **NATIONAL SECURITY AGENCY**

Address **9800 SAVAGE ROAD STE 6542**

City **FT MEADE**

State **MD**

ZIP **20755-6542**

Country **USA**

Telephone **301-688-0287**

Fax **301-688-0076**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any]) **ROBERT V.**

Family Name  
or Surname **MEUSHAW**

Inventor's  
Signature

*Robert V. Meushaw*

Date **11 May 2001**

Residence: City

**Columbia**

State **MD**

Country **USA**

Citizenship **U.S.**

Mailing Address

**10621 Steamboat Landing**

Mailing Address

City **Columbia**

State **MD**

ZIP **21044**

Country **U.S.A.**

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any]) **MARK S.**

Family Name  
or Surname **SCHNEIDER**

Inventor's  
Signature

*Mark S. Schneider*

Date **11 May 2001**

Residence: City

**Sykesville**

State **MD**

Country **USA**

Citizenship **U.S.**

Mailing Address

**17 W. Obrecht Rd.**

Mailing Address

City **Sykesville**

State **MD**

ZIP **21784**

Country **USA**

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → +

PTO/SB/02A (11-00)  
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|                    |   |
|--------------------|---|
| <b>DECLARATION</b> | <b>ADDITIONAL INVENTOR(S)</b><br><b>Supplemental Sheet</b><br>Page <u>3</u> of <u>3</u> |
|--------------------|---|

|   |                 |   |                        |
|---|-----------------|---|------------------------|
| <b>Name of Additional Joint Inventor, if any:</b> |                 | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                        |
| Given Name (first and middle [if any])            |                 | Family Name or Surname  |                        |
| DONALD N.   |                 | SIMARD  |                        |
| Inventor's Signature <i>Donald N. Simard</i>      |                 | Date <i>11 MAY 2001</i>   |                        |
| Residence: City <i>SEVERN</i>                     | State <i>MD</i> | Country <i>USA</i>  | Citizenship <i>USA</i> |
| Mailing Address <i>1312 BERNI RUTH LANE</i>       |                 |   |                        |
| Mailing Address                                   |                 |   |                        |
| City <i>SEVERN</i>                                | State <i>MD</i> | ZIP <i>21144</i>  | Country <i>USA</i>     |
| <b>Name of Additional Joint Inventor, if any:</b> |                 | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                        |
| Given Name (first and middle [if any])            |                 | Family Name or Surname  |                        |
| GRANT M.  |                 | WAGNER  |                        |
| Inventor's Signature <i>Grant M. Wagner</i>       |                 | Date <i>11 May 2001</i>   |                        |
| Residence: City <i>Columbia</i>                   | State <i>MD</i> | Country <i>USA</i>  | Citizenship <i>USA</i> |
| Mailing Address <i>7215 Single Wheel Path</i>     |                 |   |                        |
| Mailing Address                                   |                 |   |                        |
| City <i>Columbia</i>                              | State <i>MD</i> | ZIP <i>21046</i>  | Country <i>USA</i>     |
| <b>Name of Additional Joint Inventor, if any:</b> |                 | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                        |
| Given Name (first and middle [if any])            |                 | Family Name or Surname  |                        |
|   |                 |   |                        |
| Inventor's Signature                              |                 | Date  |                        |
| Residence: City                                   | State           | Country   | Citizenship            |
| Mailing Address                                   |                 |   |                        |
| Mailing Address                                   |                 |   |                        |
| City  | State           | ZIP   | Country                |

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PTO/SB/81 (02-01)

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                           |
|------------------------|---------------------------|
| Application Number     |                           |
| Filing Date            | 05-14-2001                |
| First Named Inventor   | ROBERT V. MEUSHAW         |
| Title                  | DEVICE FOR AND METHOD ... |
| Group Art Unit         |                           |
| Examiner Name          |                           |
| Attorney Docket Number | MEUSHAW 1-1-1             |

I hereby appoint:

☐ Practitioners at Customer Number  →

Place Customer  
Number Bar Code  
Label here

☒ Practitioner(s) named below:

| Name              | Registration Number |
|-------------------|---------------------|
| ROBERT D. MORELLI | 37,398              |
| THOMAS O. MASER   | 26,768              |
| STEPHEN M. BLOOR  | 39,612              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number  →

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☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

U.S. GOVERNMENT AS REPRESENTED BY THE NATIONAL SECURITY AGENCY

Signature

*Robert D. Morelli*

Date

05-11-2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ Total of ONE forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: ROBERT V. MEUSHAW, MARKS. SCHNEIDER, DONALD P. SIMARD  
GRANT M. WAGNER  
 Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_  
 Entitled: DEVICE FOR AND METHOD OF SECURE COMPUTING USING VIRTUAL MACHINES  
NATIONAL SECURITY AGENCY, a U.S. GOVERNMENT AGENCY  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
 2. ☐ an assignee of less than the entire right, title and interest.  
 The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
 2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
 3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

- [X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

05-11-2001

Date

ROBERT D. MORELLI

Typed or printed name

Robert D. Morelli

Signature

PATENT COUNSEL

Title

ASSIGNMENT (Government Employees)

TITLE OF INVENTION: DEVICE FOR AND METHOD OF SECURE COMPUTING  
USING VIRTUAL MACHINES

INVENTORS: ROBERT V. MEUSHAW, MARK S. SCHNEIDER, DONALD N. SIMARD,  
GRANT M. WAGNER

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Director, National Security Agency, the entire right, title, and interest throughout the world in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of the interferences and recording of title to patent applications and patents.

INVENTOR: ROBERT V. MEUSHAW  
ADDRESS: (City) Columbia (County) Howard  
(State) Maryland  
DATE: 11 May 2001  
SIGNATURE: Robert V. Meushaw

INVENTOR: MARK S. SCHNEIDER  
ADDRESS: (City) Sykesville (County) Carroll  
(State) Maryland  
DATE: 11 May 2001  
SIGNATURE: Mark S Schneider

INVENTOR: DONALD N. SIMARD  
ADDRESS: (City) Severna (County) Anne Arundel  
(State) MD

DATE: 11 May 2001  
SIGNATURE: Donald N. Simard

INVENTOR: GRANT M. WAGNER  
ADDRESS: (City) Columbia (County) Howard  
(State) MD

DATE: 11 May 2001  
SIGNATURE: Grant M. Wagner

INVENTOR: \_\_\_\_\_  
ADDRESS: (City) \_\_\_\_\_ (County) \_\_\_\_\_  
(State) \_\_\_\_\_

DATE: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

INVENTOR: \_\_\_\_\_  
ADDRESS: (City) \_\_\_\_\_ (County) \_\_\_\_\_  
(State) \_\_\_\_\_

DATE: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

INVENTOR: \_\_\_\_\_

ADDRESS: (City) \_\_\_\_\_ (County) \_\_\_\_\_  
(State) \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

State of MARYLAND )

County of ANNE ARUNDEL )

On 11 May 2001 (date), known to me to be the individuals described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that they executed the same as their own free act and deed.

  
(Signature)

(SEAL)

Notary Public of \_\_\_\_\_

My Commission Expires \_\_\_\_\_

M. ETHELYN WIGHTMAN  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires July 29, 2002